



CP900D / CP1000D / CP1200D / CP1285D / CP1500D User's Manual

K01-0000003-00

IMPORTANT SAFETY WARNINGS

(SAVE THESE INSTRUCTIONS)

This manual contains important safety instructions. Please read and follow all instructions carefully during installation and operation of the unit. Read this manual thoroughly before attempting to unpack, install, or operate your UPS.

CAUTION! To prevent the risk of fire or electric shock, install in a temperature and humidity controlled indoor area free of conductive contaminants. (Please see specifications for acceptable temperature and humidity range).

CAUTION! To reduce the risk of electric shock, do not remove the cover except to service the battery. No user serviceable parts inside except for battery.

CAUTION! Hazardous live parts inside can be energized by the battery even when the AC input power is disconnected.

CAUTION! UPS must be connected to an AC power outlet with fuse or circuit breaker protection. Do not plug into an outlet that is not grounded. If you need to de-energize this equipment, turn off and unplug the unit.

CAUTION! To avoid electrical shock, turn off the unit and unplug it from the AC power source before servicing the battery or installing a computer component.

CAUTION! To reduce the risk of fire, connected only to a circuit provided with 20 amperes maximum branch circuit over current protection in accordance with the national Code ANSI/NFPA 70.

DO NOT USE FOR MEDICAL OR LIFE SUPPORT EQUIPMENT! CyberPower Systems does not sell products for life support or medical applications. DO NOT use in any circumstance that would affect operation or safety of any life support equipment or with any medical applications or patient care.

DO NOT USE WITH OR NEAR AQUARIUMS! To reduce the risk of fire or electric shock, do not use with or near an aquarium. Condensation from the aquarium can cause the unit to short out.

DO NOT USE WITH LASER PRINTERS! The power demands of these devices will overload and possibly damage the unit.

INSTALLING YOUR UPS SYSTEM

UNPACKING

Inspect the UPS upon receipt. The box should contain the following:

- (1) UPS unit;
- (1) User's manual;
- (1) PowerPanel™ Personal Edition software CD;
- (1) USB device cable;
- (1) Telephone cable;
- (1) Warranty registration card;
- (1) Coaxial Cable

OVERVIEW

The CP900D / CP1000D / CP1200D / CP1285D / CP1500D provide automatic voltage regulation for inconsistent utility power. The CP900D / CP1000D / CP1200D / CP1285D / CP1500D features 890/890/1080/1080/1500 Joules of surge protection, and provide battery backup during power outages. The CP900D / CP1000D / CP1200D / CP1285D / CP1500D ensure consistent power to your computer system and include software that will automatically save your open files and shutdown your computer system during a utility power loss.

AUTOMATIC VOLTAGE REGULATOR?

The CP900D / CP1000D / CP1200D / CP1285D / CP1500D stabilize inconsistent utility power. The incoming utility power may be damaging to important data files, but with Automatic Voltage Regulation, the computer will not experience damaging voltage levels. An Automatic Voltage Regulator automatically increases low or decreases high voltage to a consistent, computer safe 110v/120v. The unit's powerful sealed lead-acid batteries will provide power only if the incoming voltage drops below 90v or increases above 140v.

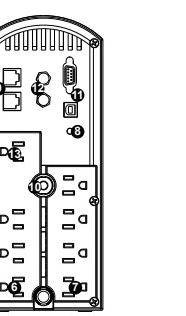
HARDWARE INSTALLATION GUIDE

1. Your new UPS may be used immediately upon receipt. However, recharging the batteries for at least 16 hours is recommended to insure that the battery's maximum charge is achieved. A loss of charge may occur during shipping and storage. To recharge the batteries, simply leave the unit plugged into an AC outlet. The unit will charge in both the ON as well as the OFF position.
 2. With the UPS unit off and unplugged, connect your computer, monitor, and any externally powered data storage device (Zip drive, hard drive, Tape drive, etc...) into the battery power supplied outlets. Plug your peripheral equipment (printer, scanner, speakers) into the full-time surge protection outlets. **DO NOT plug a laser printer, paper shredder, copier, space heater, vacuum or other large electrical device into the UPS.** The power demands of these devices will overload and possibly damage the unit.
 3. To surge protect a network connection, connect a network cable from the wall jack outlet to the IN jack of the UPS. Then connect a network cable from the OUT jack on the UPS to the network device.
 4. Plug the UPS into a 2 pole, 3 wire grounding receptacle (wall outlet). Make sure the wall branch outlet is protected by a fuse or circuit breaker and does not service equipment with large electrical demands (e.g. refrigerator, copier, etc...). The warranty prohibits the use of extension cords, outlet strips, and surge strips.
 5. Press the power switch to turn the unit on. The power on indicator light will illuminate and the unit will "beep" once.
 6. If an overload is detected, an audible alarm will sound and the unit will emit one long beep. To correct this, turn the UPS off and unplug at least one piece of equipment from the battery power supplied outlets. Wait 10 seconds. Make sure the circuit breaker is depressed and then turn the UPS on.
 7. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.
 8. To store your UPS for an extended period, cover it and store with the battery fully charged. While in storage recharge the battery every three months to insure battery life.

BASIC OPERATION

DESCRIPTION

- ① **Power Switch**
Can be used as a master on/off switch for equipment connected to the battery power supplied outlets.
- ② **Power On Indicator**
This LED is illuminated when the utility condition is normal and the UPS outlets are providing power, free of surges.
- ③ **Using Battery Indicator**
This LED is illuminated when the unit is running in the backup condition.
- ④ **AVR Indicator**
This LED is illuminated when the unit is running in the AVR mode.
- ⑤ **Over Load Indicator**
This LED is illuminated when the unit is overloaded. You will need to reduce the load.
- ⑥ **Battery and Surge Protected Outlets**
The unit has four battery powered/surge protected outlets for connected equipment and insures temporary uninterrupted operation of your equipment during a power failure.
- ⑦ **Full-Time Surge Protection Outlets**
The unit has four always on surge suppression outlets.
- ⑧ **Electrical Wiring Fault Indicator**
This LED indicator will illuminate to warn the user that a wiring problem exists, such as bad ground, missing ground or reversed wiring. If this is illuminated, user is advised to disconnect all electrical equipment from the outlet and have an electrician check to ensure the outlet is properly wired. The unit will not provide surge protection without being plugged into a grounded and properly wired wall outlet.
- ⑨ **Communication Protection Ports**
Communication protection ports will protect any standard modem, fax, telephone line, broadband network or Ethernet connection.
- ⑩ **Circuit Breaker**
Located on the side of the UPS, the circuit breaker serves to provide overload and fault protection.
- ⑪ **Serial/USB Ports to PC**
The ports allow connection and communication from the USB or DB-9 serial port on the computer to the UPS unit. The USB port will communicate with PowerPanel™ Personal Edition and the DB-9 port is for use with a serial cable and the Microsoft UPS Service.



EXPECTED RUNTIME IN MINUTES

(Due to the differences in computer components, the runtime will vary.)

Model	iMac G4	Desktop PC with LCD Monitor	Desktop PC with 17" Monitor	Desktop PC with 21" Monitor
CP900D	105 minutes	75 minutes	60 minutes	40 minutes
CP1000D	105 minutes	75 minutes	60 minutes	40 minutes
CP1200D	145 minutes	90 minutes	66 minutes	50 minutes
CP1285D	145 minutes	90 minutes	66 minutes	50 minutes
CP1500D	170 minutes	100 minutes	75 minutes	58 minutes

TECHNICAL SPECIFICATIONS

Model	CP900D	CP1000D	CP1200D	CP1285D	CP1500D
Capacity	900VA / 560W	1000VA / 580W	1200VA / 720W	1285VA / 750W	1500VA / 900W
Input Voltage on Utility	□	□	90V to 140V		
Input Frequency	□	□	60 Hz ± 3 Hz		
On-Battery Output Voltage	□	□	120Vac ± 5%		
Transfer Time	□	□	4ms Typical		
Max. Load for UPS Outlets	900VA / 560W	1000VA / 580W	1200VA / 720W	1285VA / 750W	1500VA / 900W
Max. Load for Full-Time Surge Protection Outlets (8 Outlets)	12 Amps				
On-Battery Output Wave Form	□	□	Simulated Sine Wave Form		
Operating Temperature	□	□	+32°F to 95°F / 0°C to 35°C		
Operating Relative Humidity	□	□	0 to 95% NON-CONDENSING		
Size (L x W x H) ¹⁾	□	□	13 1/8" x 4" x 9 7/8"	□	□
	□	□	33.3 x 10.4 x 24.9cm		
Net Weight	22.2 lbs	□	24.4 lbs	□	25.6 lbs
Typical Battery Charge Time	□	□	8 hours typical from total discharge		
Typical Battery Life	□	□	3 to 6 years, depending on number of discharge/recharge cycles		
Battery Type	□	□	Spill-proof, Maintenance-free, sealed lead-acid		
Safety Approvals	□	□	UL1778(UPS), cUL107, FCC/DoC Class B		

DEFINITIONS FOR ILLUMINATED LED INDICATORS

Condition	Power ON	Using Battery	AVR	Ove Load	Wiring Fault	Alarm
Normal	On	Off	Off	Off	Off	Off
Utility Failure - The UPS is providing power to battery power supplied outlets.	On	On	Off	On/Off	Two Beeps	Off
Utility Failure - The UPS is providing battery power. Rapid beeps indicate the unit will run out of power shortly.	On	On	Off	On/Off	Rapid Beeps	Off
System Overload - Occurs when connected equipment exceeds the rating of unit. Turn the UPS off, unplug at least one piece of equipment, wait 10 seconds, reset the circuit breaker and turn the unit on.	On	Off	Off	On/Off	Long Beep	Off
Battery Overload - Occurs when connected equipment exceeds the rating of battery outlets. Turn the UPS off, unplug at least one piece of equipment from battery outlets, wait 10 seconds, reset the circuit breaker and turn the unit on.	On	Off	Off	On/Off	Long Beep	Off
AVR Mode-Max. boost 12% of input voltage for output regulation while input voltage is from 17% to 26% under nominal.	On	Off	On	On/Off	Off	Off
Electrical Wiring Fault - This indicates a wiring problem with the AC outlet such as bad ground, missing ground, or reversed wiring. User is advised to disconnect all electrical equipment from the outlet and have an electrician check the outlet to insure proper wiring.	On/Off	On/Off	On/Off	Off	On	None

3. When you contact CyberPower, identify the Product, the Purchase Date, and the item(s) of Connected Equipment. Have information on all applicable insurance or other resources/recovery/payment that are available to the Initial Customer and the name of the power utility supplier for the location of the Connected Equipment and Request a Claim Number.

4. Pack and ship the item to CyberPower. Indicate the item(s) of Connected Equipment, a repair cost estimate for the damage to the Connected Equipment and all claim forms that CyberPower provides to you. Show the Claim Number on the shipping label or include it with the product. Initial Customer shall prepay all shipping costs, must pay the cost of the repair estimate, and is responsible for packaging and shipment.

CyberPower's Duties.

CyberPower will inspect and examine the Product and the item(s) of Connected Equipment (or at CyberPower's election, your written statement and repair cost estimate for those item(s)). You must return the product for inspection.

If the damage to Connected Equipment is covered by the Connected Equipment Guarantee, CyberPower will (in addition to Limited Warranty remedies for the CyberPower Product itself) repair or pay the costs of repair or replace the Connected Equipment or, at the option of CyberPower, as permitted by law, pay to the Initial Customer the "Agreed Damage Amount" (up to the aggregate limits stated below) for all item(s) of Initial Customer's Connected Equipment. The "Agreed Damage Amount" for all item(s) of Initial Customer's Connected Equipment shall be the lesser of the amount determined under Clause (1) or (2) below, reduced by any amounts described in Clause (3) below:

1. The fair market value of the Connected Equipment as established by the lower of (a) the price list of Orion Blue Book on the date of occurrence (or if such price list is no longer published, a published or announced price list reasonably selected by CyberPower), or (b) the average price the same or similar items are being sold for on E-bay or (c) the lowest price the same or similar item can be purchased in the United States; or \$375,000.00, CP1285D - \$375,000.00, CP1500D - \$500,000.00.

3. The amount(s) of all payment you have or are entitled to receive from insurance, other warranties, extended warranties, or from other sources or persons for the Connected Equipment or damage to such equipment so that CyberPower's maximum liability shall be reduced to reflect all such other payments or sources of recovery.

If CyberPower replaces the connected equipment or pays to the Initial Customer the Agreed Damage Amount, the Initial Customer shall transfer ownership of all item(s) to CyberPower without warranty by the Initial Customer, but free of lien or other interest.

CONDITIONS COMMON TO THE LIMITED WARRANTY AND THE CONNECTED EQUIPMENT GUARANTEE

The Limited Warranty and the Connected Equipment Guarantee are the only and the exclusive express warranty of CyberPower with respect to the Product. This exclusion of other express warranties applies to written and oral express warranties.

LIMITATION: THE LIMITED WARRANTY AND THE CONNECTED EQUIPMENT GUARANTEE DOES NOT COVER

The Limited Warranty and the Connected Equipment Guarantee are intended to exclusive rights and remedies and replace any other rights, to the extent allowed by law.

1. As to the CyberPower Product, the limited warranty does not cover or apply to: misuse, modification, operation or storage outside environmental limits for the Products, in transit, in shipment, or in storage, damage or deterioration, improper operation or maintenance, or use with items or equipment not designed or intended for use with the product.

2. As to Connected Equipment, the Connected Equipment Guarantee covers only damage within the specific terms of the Connected Equipment Guarantee to Connected Equipment (and only up to the applicable aggregate ceiling amount).

3. The Connected Equipment Guarantee does not cover damage to Connected Equipment or apply if the Product has been operated in a failure mode or not in compliance with CyberPower operating instructions and manuals, or if the Connected Equipment has been operated in a failure mode or not in compliance with the instructions and manuals of its manufacturer/vendor.

The Limited Warranty and the Connected Equipment Guarantee Do Not Apply Unless The Initial Customer:

1. Has properly connected the Product and the Connected Equipment to properly wired and grounded outlets (including compliance with electrical and safety codes of the most current electrical code (ANSI/NFPA 70), without the use of any adapters, extension cords or other connectors).

2. Has provided a suitable and proper environment for use and installation of the Product and Connected Equipment.

3. Has properly installed and operated the CyberPower Product and Connected equipment.

4. Has operated the Product at all times within the limitations on the Product's VA capacity as stated in this User Manual.

CyberPower Does Not Cover or Undertake Any Liability In Any Event for Any of the Following:

1. Loss of or damage to data, records, or software or the restoration of data or records, or the reinstallation of software.

2. Damage from causes other than AC Power Line Transients, spikes, or surges on properly installed, grounded and code-compliant 120 volt power lines in the United States and Canada, transients, surges or spikes on standard telephone line land lines, PBX telephone equipment lines or Base 10/100 Ethernet lines, when properly installed and connected. (This exclusion applies, for example, to fluctuations in data transmission or reception, by CATV or RF transmission or fluctuations, or by transients in such transmission.

3. Damage from any circumstance described as excluded above with respect to the product.

4. Damages from fire, flood, wind, rain, rising water, leakage or breakage of plumbing, abuse, misuse or alteration of either the product or the Connected Equipment.

Exclusion of Consequential and Other Damages.

The sole and exclusive remedies of the Initial Customer are those provided by the Limited Warranty and Connected Equipment Guarantee. CyberPower excludes any liability for personal injury under the Limited Warranty and Connected Equipment Guarantee. CyberPower excludes any liability for incidental or consequential damages, whether for damage to or loss of property (EXCEPT FOR (AND ONLY FOR) the specific limited agreement of CYBERPOWER to provide certain warranty benefits regarding "Connected Equipment" under the "CYBERPOWER Connected Equipment Guarantee"), loss of profits, business interruption, or loss of information or data. NOTE: Some States or Provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

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